









Introduction

Asia one of the largest usage conductor or flat tape as an important component of any earthing or structural lightning protection system, ABRE offer a comprehensive range of copper and aluminium conductors in each of the main world standard formats. The conductor should have sufficient cross sectional area (c.s.a. mm²) capable of withstanding and carrying selected currents rating.



BS EN 13601 / IEC 62561-2

The conductor is the continuously extruded bare copper tape is the brand of choice by the electrical installers & contractors as an earthing conductor for lightning protection of building & electrical substations. High conductivity of Oxygen free high purity copper is important criteria provides the security & safety to every homeowner in case the lightning strikes.

Copper Conductor Ratings

Below table offering the consultant designer standard size tapes for fault current capability of the system, correctly rated conductor for one and three second durations. These conductor ratings are based on the recommendations of BS7430 with an initial conductor temperature of 30°C and maximum temperature of 250°C.



Part No.	Conductor Size	Material
TTC05	25mmx2mm	Tinned Copper
TTC10	25mmx3mm	Tinned Copper
TTC15	25mmx6mm	Tinned Copper
TTC20	38mmx6mm	Tinned Copper
TTC25	50mmx3mm	Tinned Copper
TTC30	50mmx4mm	Tinned Copper
TTC35	50mmx6mm	Tinned Copper

Conductor Size mm	Cross Section Area C.S.A. mm ²	KA for 1 second	KA for 3 second
25mmx2mm	50	8.8	5.1
25mmx3mm	75	13.2	7.6
25mmx6mm	150	26.4	15.2
38mmx6mm	228	40.1	23.2
50mmx3mm	150	26.4	15.2
50mmx4mm	200	35.2	20.3
50mmx6mm	300	52.8	30.5

Bare Conductor Tape

Part No.	Conductor Size	Material
TBA05	25mmx2mm	Aluminium
TBA10	25mmx3mm	Aluminium

Part No.	Conductor Size	Material
TBC05	25mmx2mm	Copper
TBC10	25mmx3mm	Copper
TBC15	25mmx6mm	Copper
TBC20	38mmx6mm	Copper
TBC25	50mmx3mm	Copper
TBC30	50mmx4mm	Copper
TBC35	50mmx6mm	Copper

ABRE offer a comprehensive range of copper and aluminium conductors in each of the Asian standard formats, ie flat tape high conductivity bare copper tape and aluminum or tinned copper tape is used on both lightning protection and earthing applications. By the electrical system the largest and most important component of any copper or tinned earthing conductor tape is the actual conductor, ie Flat tape high conductivity bare copper tape to IEC 62561-2 and BS EN 13601 (formerly BS 1432). Aluminium to BS EN 755-5. Other selection colours available to order.